

Tuberrulate Gordon shot Don J. Californica Harber Many MISSOURI BOTANICAL copyright reserved cm GARDEN

MISSOURI BOTANICAL GARDEN GERGE ENGELMANN PAPERS MISSOURI BOTANICAL copyright reserved GARDEN

Massachusetts Horticultural Society.

Gordon's Pinstrum, p. 211. (185. V.) Boston, 1 so. 49. Pinus tubercularum, D. Don. Syn. P. Californica, Hortw. Leans in 30, thirty extremether branches, bright green, rather stiff, broad oflar, with an Elevand no running along their middle on the numer aid, 4/2-5 long; sheaths, short, smooth, or not mon than h long on the young leans, but very much shorter on the down ones, I only partially persistent, Seed-leaves, on the your Wants from 7 t v in number, rather alendir & nor very luy, Bracks not my stout, rather numerous, & inrepular, with a very high back; buts, below the middle sing, imbricable & not my ourinous or points Come, mostly in clusters of four, but soundly small solitany or in fine, + only produced on the main stems; of a long, consided shape, 5' long + 2' broad, the order sinface curred, the inner straight, willste mor the base, & gradually toping to the point, quite sessile, & unevenand with base, my hand, of a light-brown color, or awking-grown when old, my glossy & full of resinous mother; they stand off at medly right angles when Its, although outtin pendulous when gong, I remain on the trees for gran without even sping or shirtly their acids, Scales larget & most developed at the external base, I down 8 parts of the outer side of the cone, duply divided, much elevated, horizontal & rather comical, particularly than mar the base, the longest of which is 3/gr, terminally a strong, sharp prickly but as they approach towards the point of the own, they

become sport slevethe, mon gradraguler, & blunter pointes; Atra scales on the runs side of the come & round The pour on much smalling, & quite fear, with a small Jok-brown prickle in their certa, rach come about contains 15 or 16 roup of 2 cales, with such of which on 2 mg emale adde, with wings 3/2 long. This prine was first discounts by or . Conepu, to the south of monteny, near the level of the sea, & proving almost don to the beach, intermined with Proade open, mr. Harry ford it promparthe St. Comy lins, 60 miles to the north of monthing by land, It is a true of along proutty, & seldom attains more them 300 leit in height, with a truck too 10 in D'ametri, "mr. oppnys fomd it at an Elevotin of 5000 feet, with the some adhing to the the, in served instances with 20 whorts of Coms on the trunk, the growth of as many græn, -the branche koonen with Them in the same way as the bruke The tember is sed t howd, I the tour of a comical form, growing about 40° high MISSOURI BOTANICAL GARDEN GEORGE ENGELMANN PAPERS De is grite howy not men timed in Enplement, 1862, This description down to (A.) is exactly as in Notes when some newly in trother Conifers collected by mr. Harring in When california, rengerory worder." in John Goo. Journ. Holt. Soc. 4. 214 (1449.)

0 1 2 3 4 5 6 7 8 9 10

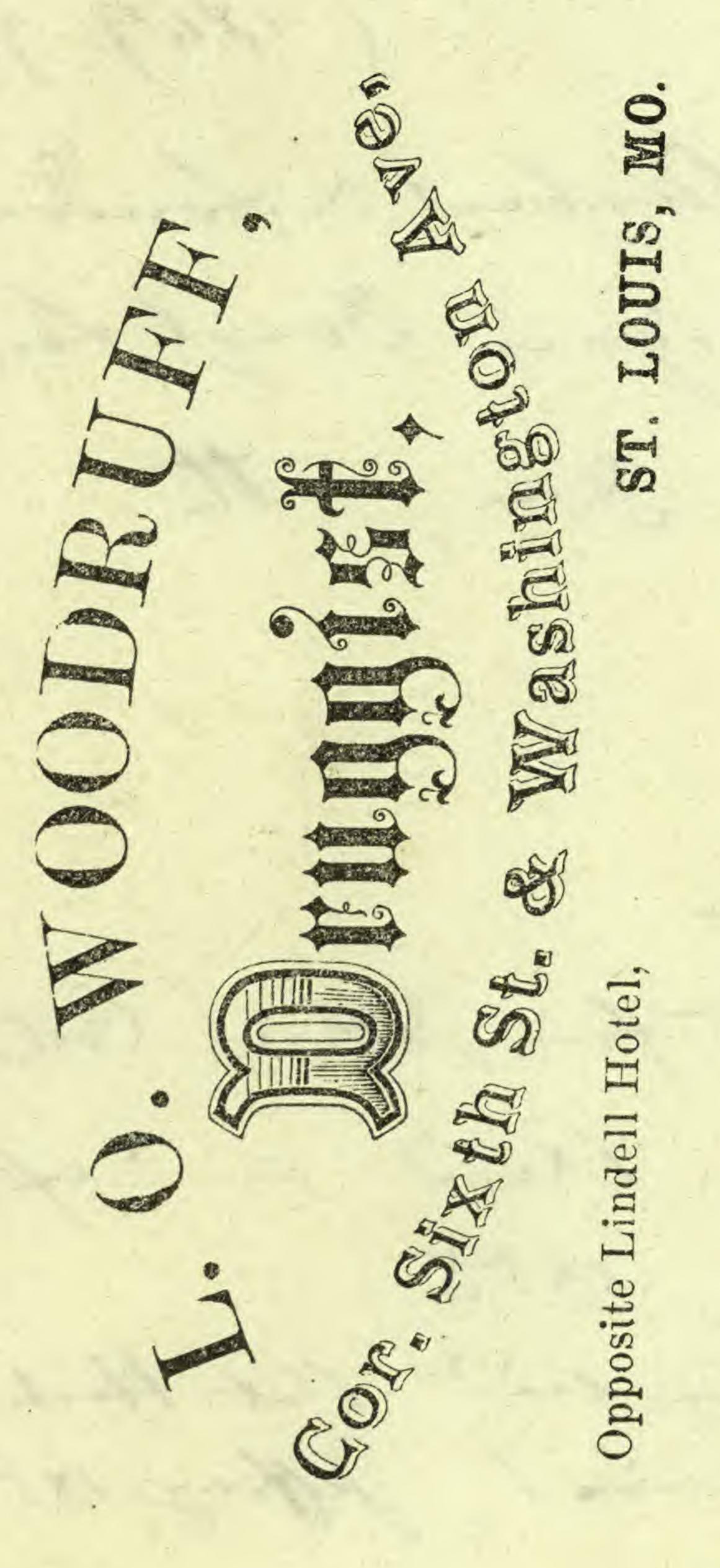
Copyright reserved

GARDEN

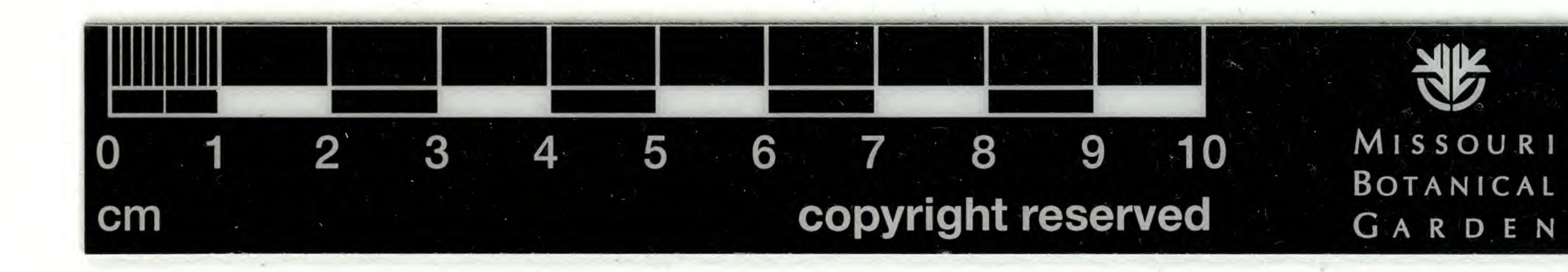
MISSOURI
BOTANICAL
GARDEN

ott 6 1870] Nuttell - Lylo. Amen. Contin. III. 115 Goves P. telemelets Den Lander a Louden a Louden as synony on of O. insignis Dough Loud. I Tomy: Och Done the same! I den the Sishing who O. radicts Den the 1 spready Dias. Our process P. Lubarneta Sates for Jeffices College publik figer i orga Com. Alp. 1800 and after that by gonden i his bireta 1858 fig. in Pinter planson I it is there said that Hardway collect it 1846 and the nam of California? Jeffrey 1852 hours seassly 1454 as other since





GEORGE ENGELMANN PAPERS



1 Petaberolets H Jolander, Manch 1864 Nº 1. XX 12 rignis Dakep."

1 P. La Corralata fre Bloomer on the Bakland white hell, 2000 high 8-10 miles from the Cing of Jan Brunisco inning Med (Soft sandstone) grow dands sterile naked Sperimo taken pour a tree 8 inches d'any 12 feet high - grows not more then 16 / high No other perus sbout (here) Cean rover dready to feet high. Somle pour calle 7-6 21 1864 it difficult to approach the tree April 1864 Ukiah City, mendoriao Co Pitourlete 30 hih 1 diameter - Tent with Brewers Gox Young Jan Combs already Localing, rudy fill govern Juni 1864 collect chame on the Constrange Hay some don't Comey Ino special Estan 1865 das in April -itt dienes tetween the forks of the American River Where thebundets also with many offer Conferme; 30-40 byte _ will sent Sperimeny _ comes not quite de unequel en caterie as in the formity rollech

0 1 2 3 4 5 6 7 8 9 10 cm copyright reserved

Che Kquitable Nife Assurance Society Otto Transo M. D. W Jeffersow, Missouri Uns been proposed as Mechical Examiner of This Society. We have been referred To you regarding him. Can ever place entire confidence cin his cintegrity and Grofessional capacity:

For early reply would

much coblige - I would

fours Nespec Thully,

C. Engelmann M. N. J. W. Millips,

Saint Louis

Dea 24 1x69 Mo. V. tuberrulate numberghen # 30-80 et mest I foot staat, grovile - short lived, always mixed with dead tray MISSOURI

0 1 2 3 4 5 6 7 8 9 10 cm copyright reserved

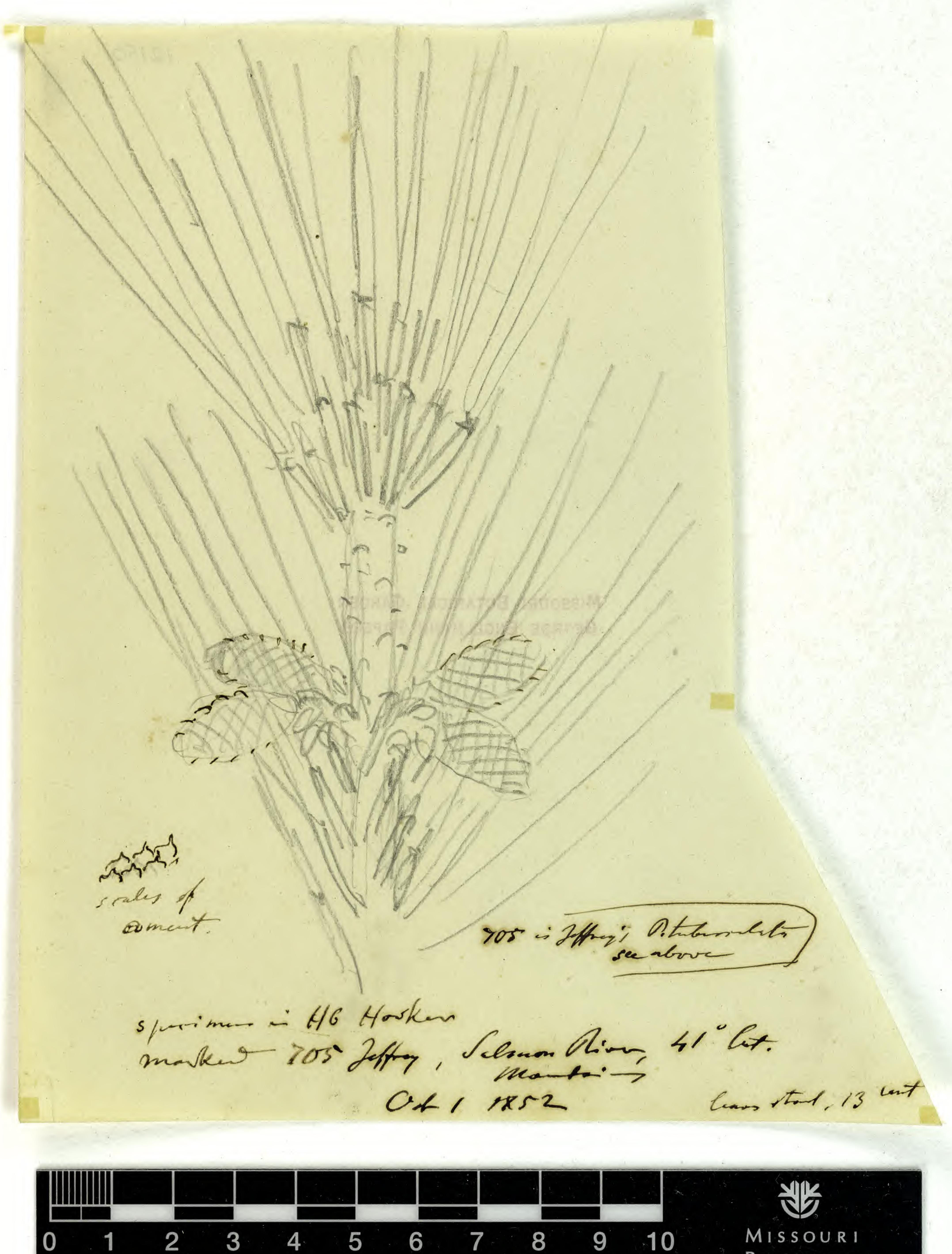
(Tubernette) Hartwy - Journ Sor. Hors. II. (1848) p. 189 2th month of Late Cong "I for with P. Odentham's a species which is probably the doubtful I little Know 1! Calefornia - 25 hish, 8 mil comes light brown, when It othery 922

0 1 2 3 4 5 6 7 8 9 10 cm copyright reserved

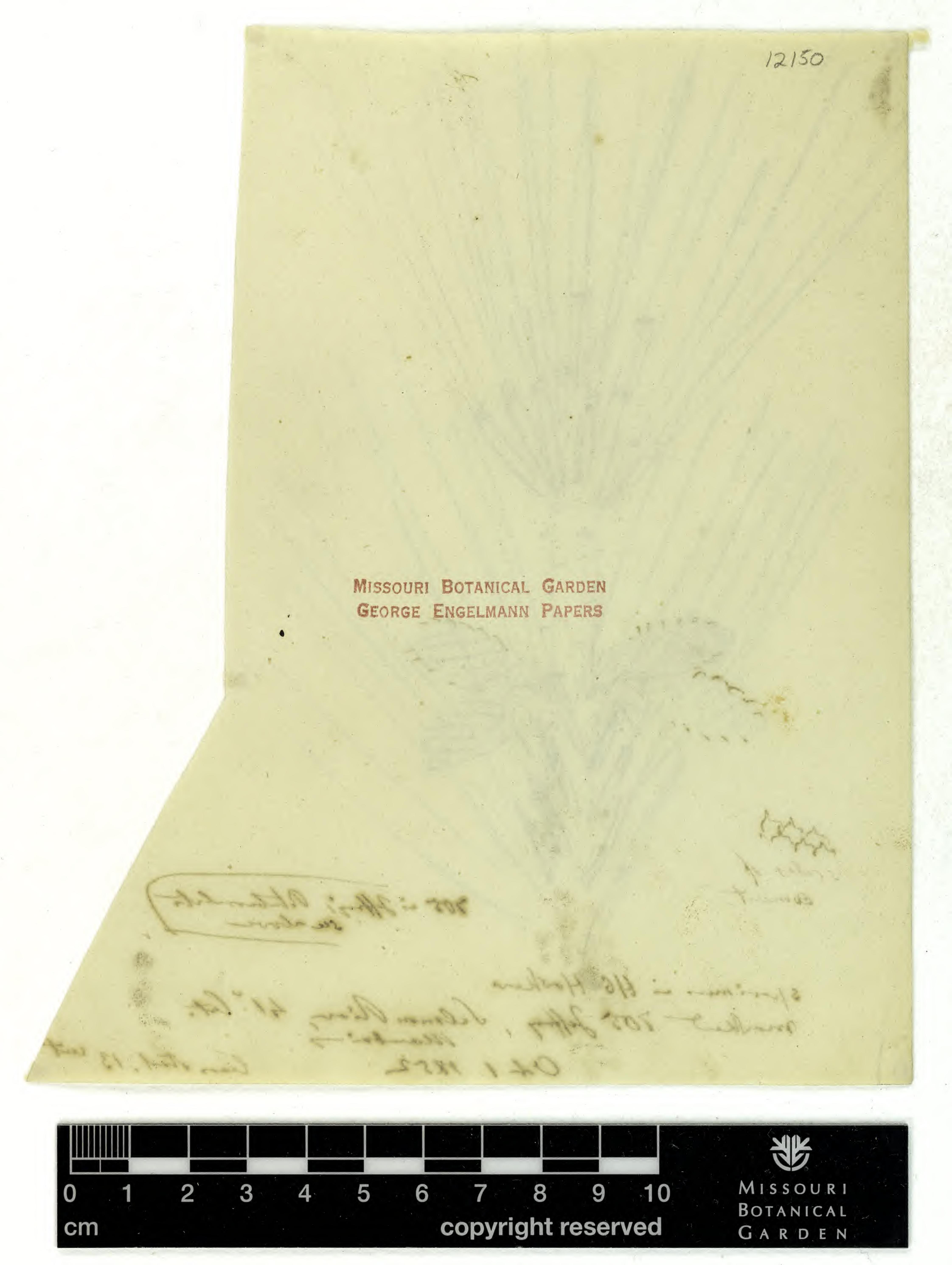
WESSOURI BOTANICAL GARDEN SEURISE ENGELMANN PAPERS

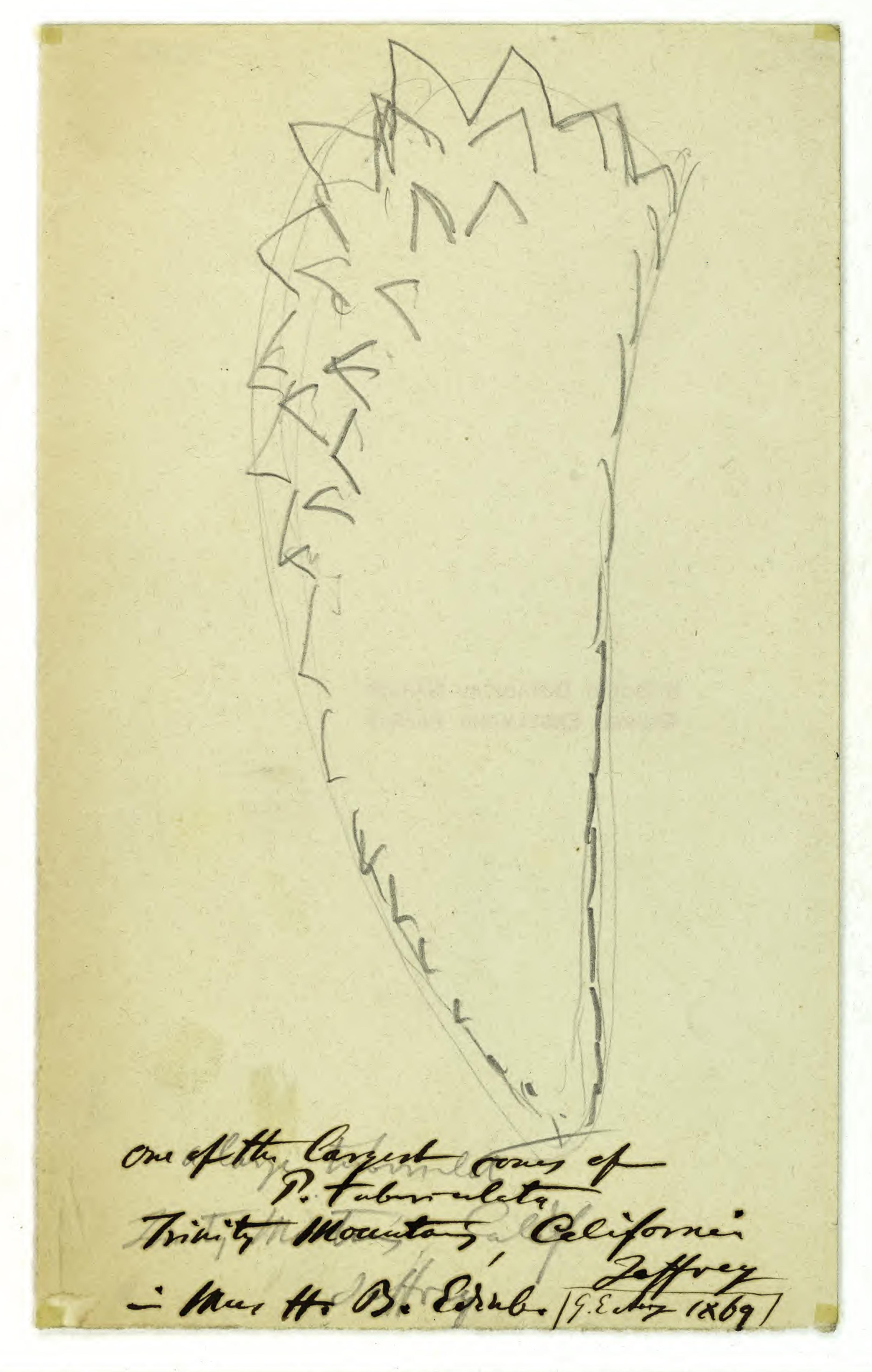




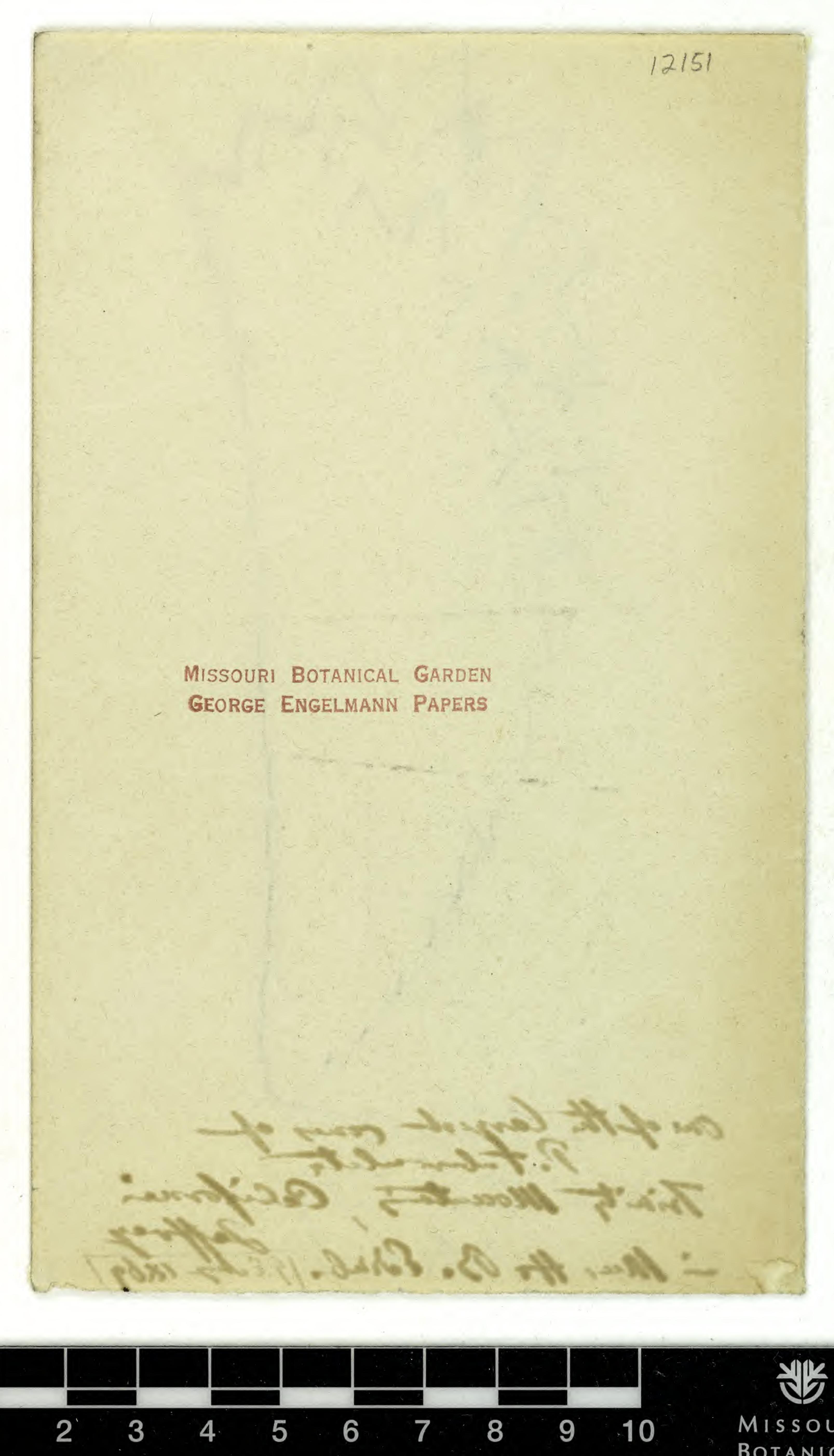
















Pinns Tuberculata Nope of Lan Bernhandino Mountain helf way up to the regular Time bell, sombly tree, 15 feet high leurs in 3°, folige lijkler green Then i her gnis Dec Comy Dec 1871 Come 4 inches Com at 1/4 Corwith the long apoplegaes &) inches Thick

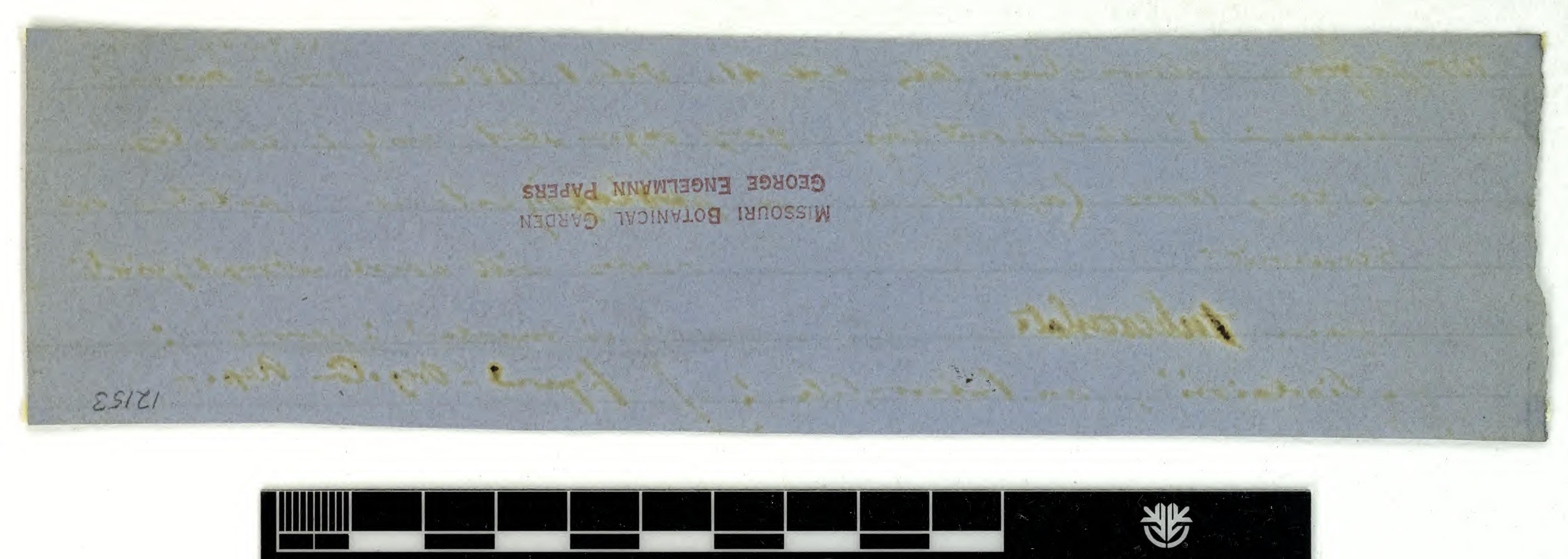
0 1 2 3 4 5 6 7 8 9 10 cm copyright reserved

Mnintenzift Cluft. a Car falker Dan Sliel at The Deutest and ruel Je then for some line Rean Leu Willei Fo Je at the deetist -Dishus at 4.30 a 1329 Markingte aund let kin bru any letter or dispatche Hot may have come for me Jun James MISSOURI BOTANICAL GARDEN GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10 cm copyright reserved

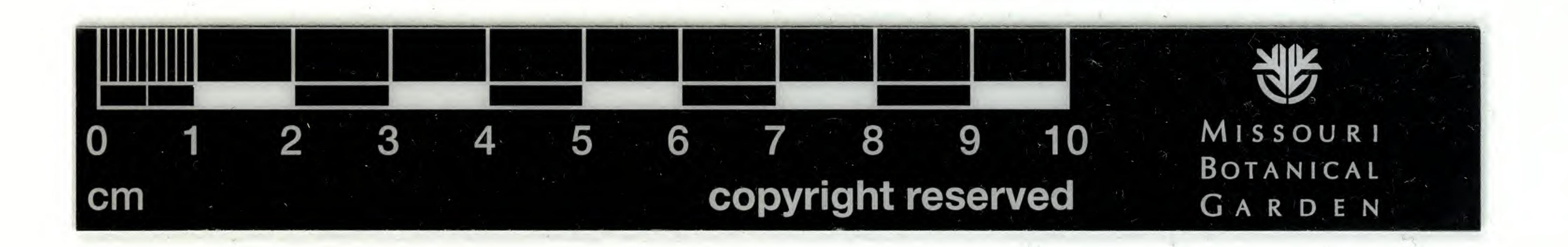
705 Jeffrey - Irlmon Ohim Mb, Let 41. och 1 1852 / rom = musem) leaves in 3' 12-13 rest long, you vage start, muy 2 cent ly 4 you romes (apritul? or partiages) lateral patits or recurred the sould should about printy zum tuberaulata His muchand i pennig : Tfjured i Org. Con Asp. -

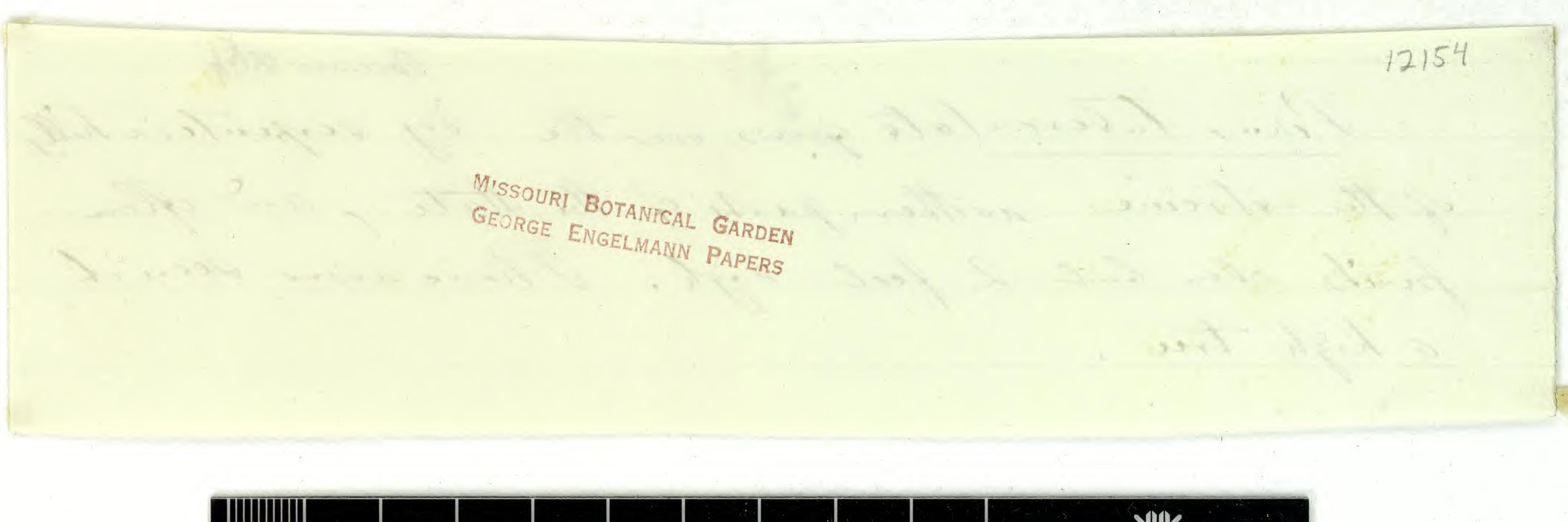


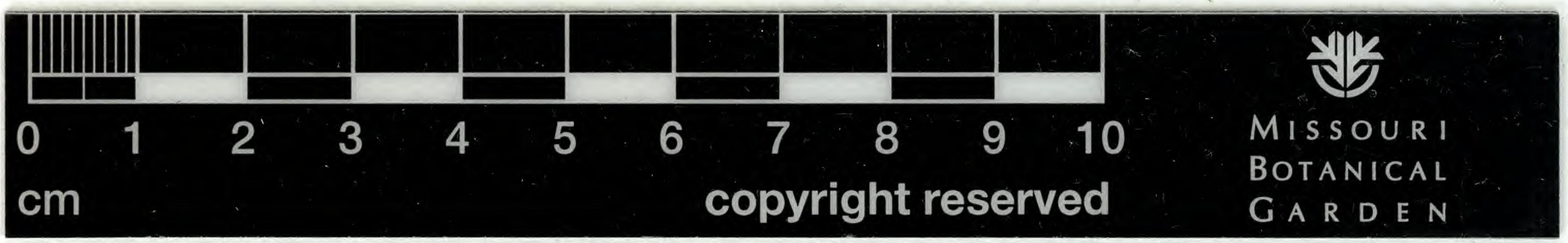




Brewer 1804 Thus telerralate grows over the by serpentine helly of the extreme northern parts of the state, and office fruits ohen but 2 feel high. I have never seen it







GEO. ENGELMAN, M. D. Office & Residence; 3003 Locust St. Bolen: i smill groves on ani) The 30' high only I diam.

A only 4-10' Light whening combrage and Late Cong. at Cakland hen Which, Mulvoole Co _ on and Mountain Humbold Co (mont northern) 200 / Bower someta ong 2 feel hope & small good a cast sirt of Mit Sheeter

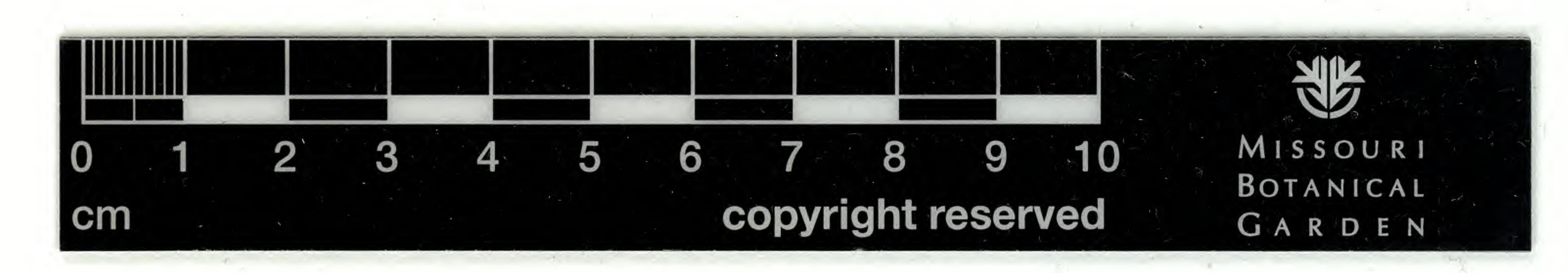


12155

MISSOURI BOTANICAL GARDEN GEORGE ENGELMANN PAPERS



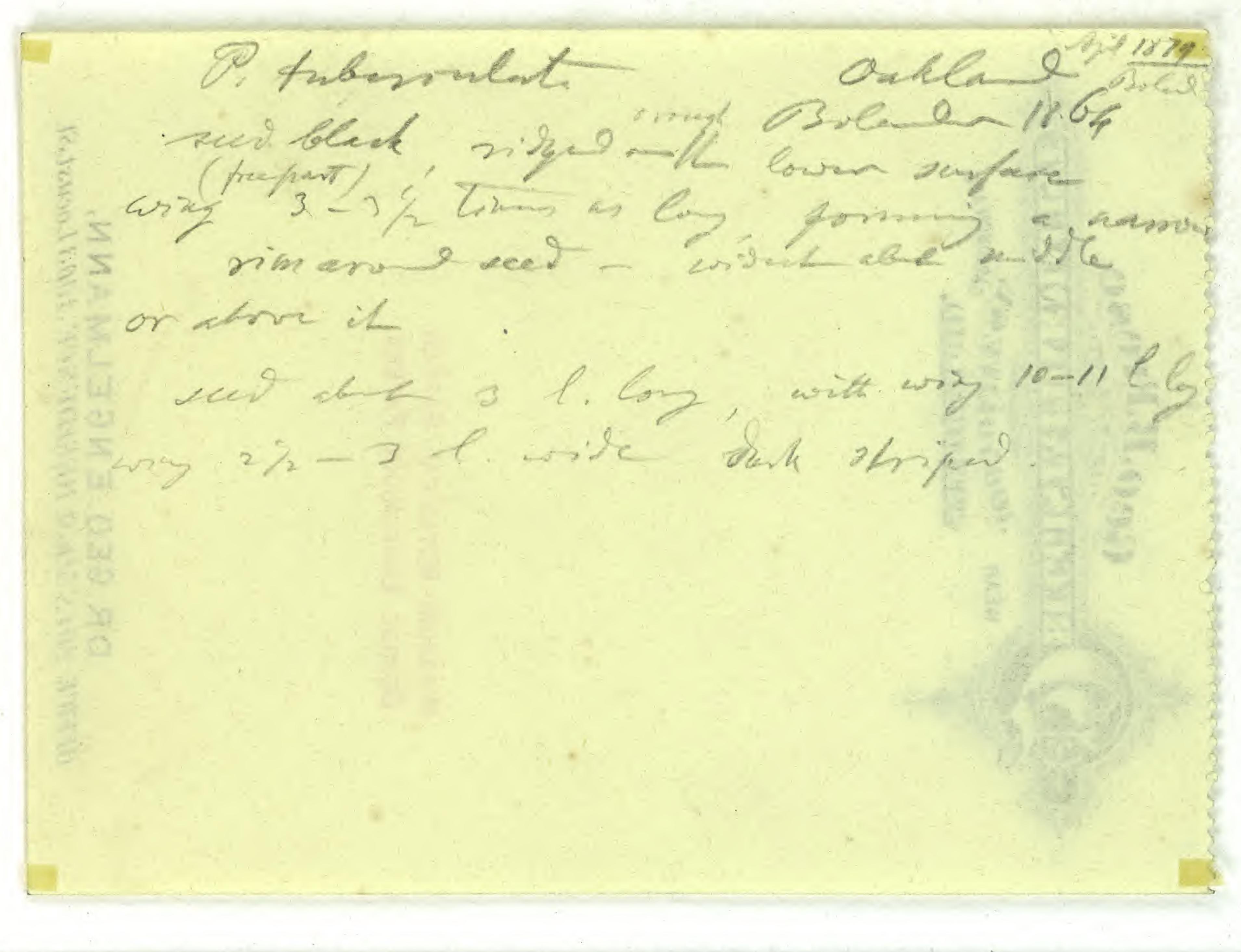
DDECCDIDTION DDITCCTC



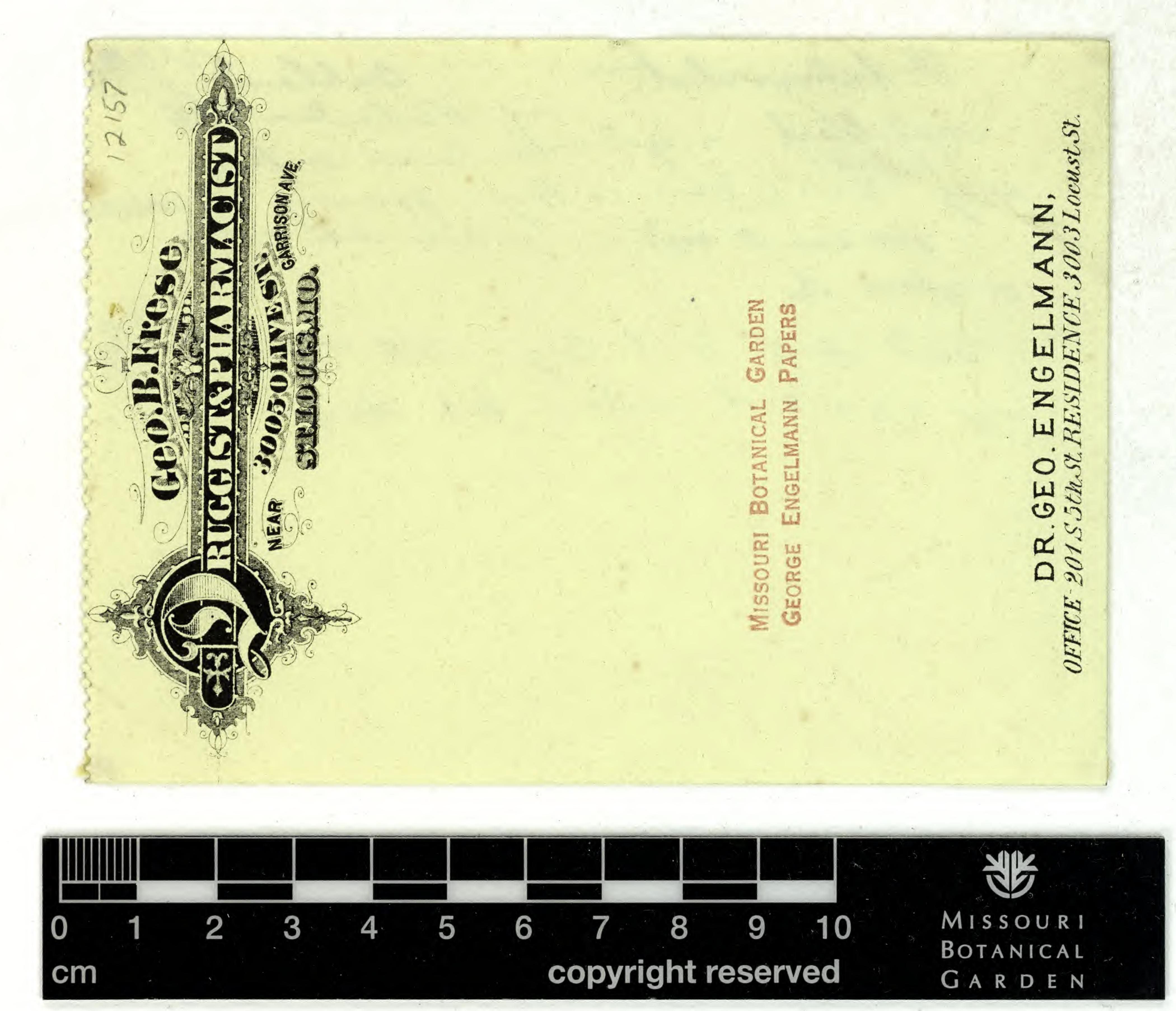
Soits apon this being the propulationer. Linking was he days grown ment stouctory, Sout of sthess I winderstood that bath were Ederatical for matter this remarks werely to the formation of minister And from the Cathana White follo running N. 34° Mmag. These Muster bills aforem the their range, counting from the 8-10 16 from the by Lord a little and a mide Jag Charles, Com bling Loft sand Stone un barnellas af 19 - 1/2 vinch seefs (date) with an almost a diff at right anyly. As when down the rain washes it away the May laally always while the vegetation of this mile is very them too and southered. Hethis This spores this build pluine grown on the Exest which is Doune what flattened, and a lette down our thermestern Africa, but wat on the exist which Dopes at well.

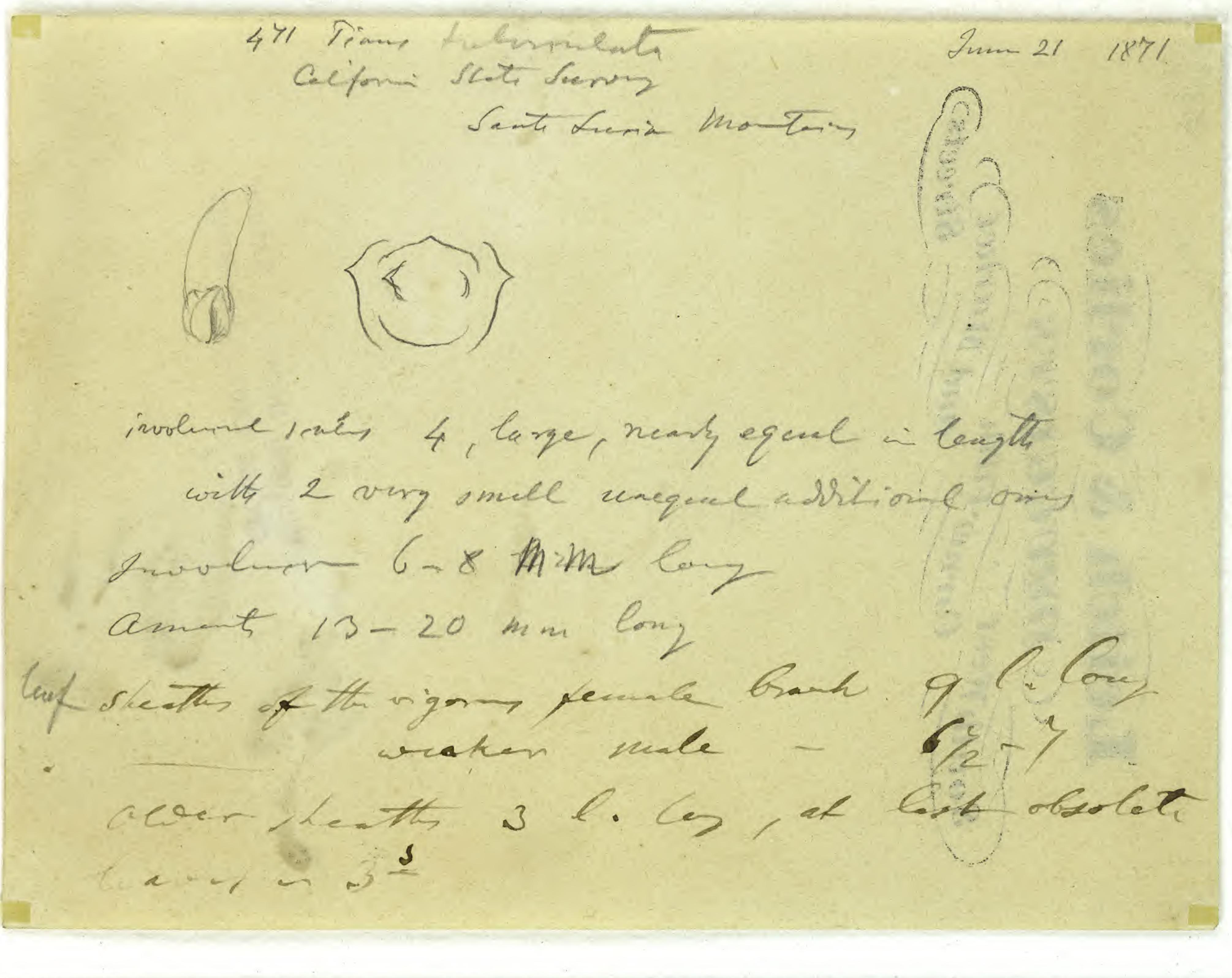
0 1 2 3 4 5 6 7 8 9 10 cm copyright reserved

Made Castance Chings of the Sough, and a serul manietre de de agriciano agriciano form growing week and there armong the dis fund familes, who shows hower brance limes also granged. Du they Ho graft or anything else covers the naked The builde man her A x containes Low cles with ale amonts new mest having been formed of the tree of a concum forenget tinet and 13 feet height. transches with goung comes from the Barried and Black the wing the average Mirethreefor, ali Bones weth we for Leeds Paul pour de chenget s ous un ment The famino after funcion about. The Lamer Epicolo de mas tala ground dome 30 ml farther Lowth on the Lawrency. Me and age height in A-16 feet, there was work higher and none the then the me your Neade of 4 feet hight bear also comes. The Tree is romital ni oubline, loosely branched, covered eitt Lichens, espeoilly Her branches with l'armolia physorides. Spulan name smissouri BOTANICAE GARDEN. Collected 1/2 1×64











GEORGE ENGELMANN PAPERS





Pin tabanalata 705 Och 1852 Jeffry & soiles Salmosson Higher a Franky Mons Ukinh (mendominelo) Bolan April 64 3. 301/42/ Oakland Hills Bolad July 65 12 feet Light marks 1×xx between Forks of Maconia Aver Boland it Freeze





- - man final or attained or letter as ittent thought fill high

this very important subject, we desire to solicit your earnest co-operation.

and beginped and the only teasible way in which the information sought ed of emese sint ed

Very respectfully yours, &c.,

M. HUTSON FORD, M. D.,

-15 Tree F. J. LUTZ, M. D.,
Of mystyll MALTER WYMAN, M. D.,

5-200 . -: 20minttee:

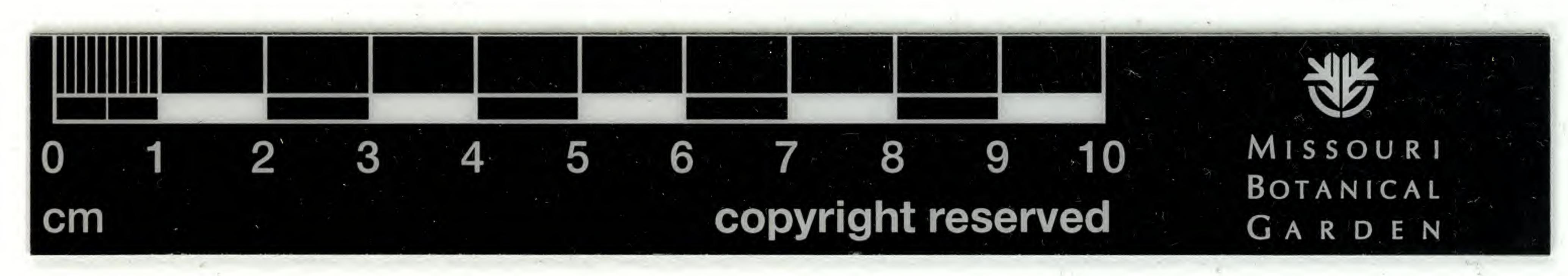
4620,00

06/2 35-10

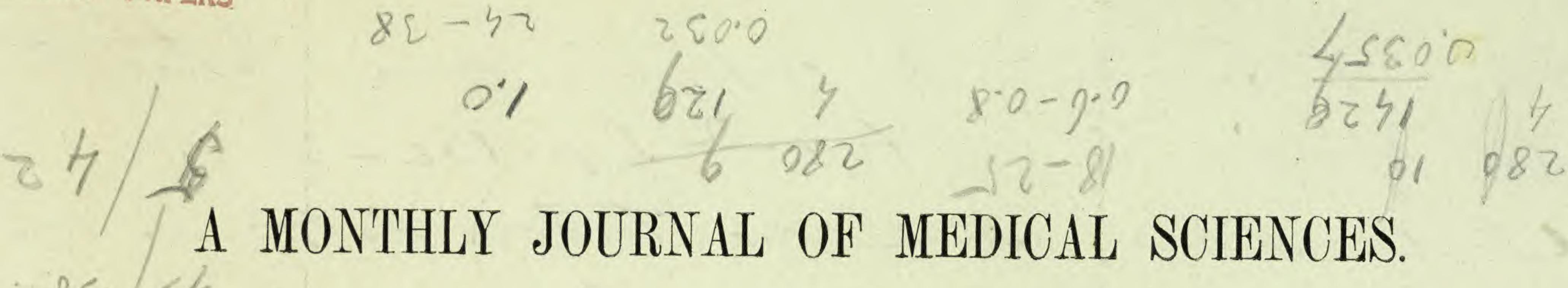
En 10.10 10,10 15 50

MISSOURI BOTANICAL GARDEN GEORGE ENGELMANN PAPERS

Doland Aug 29 1X67 Phine to bornelate & shipping are Istant. But its symps is confused (p. 162-3) White I have set as telecimbet is not for near Monterez and O, Insignis nowhere the coast



MISSOURI BOTANICAL GARDEN GEORGE ENGELMANN PAPERS



The Humboldt Medical Archives.



fubundate new Lighen the 20-50 feel ntt Contrages att diam, 3000 hegh -(Capu Horn on the American Non, maker small grown on moderate, very by, hill sand more the 20-25 feel never gets of som Bolander avrite, P. Taberrulati I mile west of Which on a nize spril 1864 Speriams of a tree 30 feel high I' Stan Others bear when only 4-10 feet host (I'm dame on the Court many at Santa Cong also men Oakland) Forest Hill





1)(2) 3 4 5 6 7 (22) (30) A2 43 (45) 12162 MISSOURI BOTANICAL GARDEN GEORGE ENGELMANN PAPERS Dear Doctor Basic Las Jever ayain and complains f her throat, but if you are not lecture mell enough hæ her this evening of mt henlate ho say Ir Papas man can

